

**ABSTRACT**

A method for producing embedded software includes providing one or more generic application handler programs, each such program comprising computer program code for performing generic application functions common to multiple types of hardware modules used in a communication system. Specific application handler code is generated to associate the generic application functions with specific functions of a device driver for at least one of the types of the hardware modules. The generic application handler programs are compiled together with the specific application handler code to produce machine-readable code to be executed by an embedded processor in the at least one of the types of the hardware modules.